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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/391,782 09/08/99 OWEN

G 99CR108/KE

EXAMINER

PM82/0503

ROCKWELL COLLINS INC
ATTENTION: KYLE EPPELE
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CEDAR RAPIDS IA 52498

MANCHO, R	
ART UNIT	PAPER NUMBER

3661
DATE MAILED:

05/03/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/391,782

Applicant(s)

OWEN ET AL.

Examiner

Ronnie Mancho

Art Unit

3661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) 1, 7, 9-12, 19, 20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 2-6, 8 and 13-18 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claims ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☐ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 18) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371⁹ of this title before the invention thereof by the applicant for patent.

2. Claims 2- 6, 8, 13-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Briffe et al (6038498).

Regarding claim 2, Briffe et al disclose an avionics FMS comprising:

a source of FMS route data (MAU 65d, fig. 2; col. 5, line 40);

a display (16, 18, 20, 22, fig. 2) coupled to said source of FMS route data (MAU 65d) for visually presenting said FMS route data;

a configurable route window (figs. 9, 15, 16, 22; col. 11, lines 1-37) presented on said display (16, 18, 20, 22, fig. 2);

said configurable route window (figs. 9, 15, 16, 22; col. 11, lines 1-37) has a configurable window size (col. 11, lines 5-7);

said display (16, 18, 20, 22, fig. 2) presents an adaptive graphical map segment (col. 11, line 1, figs. 14, 15); and

wherein said adaptive graphical map segment (col. 11, line 1, figs. 14, 15) adapts to a sized characteristic of said configurable route window (col. 11, lines 5-7).

Regarding claim 3, Briffe et al disclose the avionics display of claim 2 wherein said configurable route window includes a vertical route window expansion/contraction button (see trackballs 44, etc controlling cursor, col. 11, lines 12-15).

Regarding claim 4, Briffe et al disclose the avionics display of claim 3 wherein said vertical route window expansion/contraction button (see trackballs 44, etc) is a vertical route window expansion/contraction variable direction indicating button (also see "menu driven system " col. 11, line 3; see also col. 12, lines 1-35).

Regarding claim 5, Briffe et al disclose the avionics display of claim 4 wherein said vertical route window expansion/contraction variable direction indicating button (see trackballs 44, etc) is a vertical route window expansion/contraction variable direction double chevron button.

Regarding claim 6, Briffe et al disclose the avionics display of claim 3 wherein said configurable route window includes a horizontal route window expansion/contraction button (see trackballs 44, etc).

Regarding claim 7, Briffe et al disclose the avionics display of claim 2 wherein said adaptive graphical map segment (col. 11, line 1) adapts to a sized characteristic (col. 12, lines 30+, figs 9&10) of said configurable route window (figs. 9 etc).

Regarding claim 8, Briffe et al disclose the avionics display of claim 7 wherein said configurable route window (figs. 9, 15, 16, 22; col. 11, lines 1-37) includes a plurality of display format parameter control buttons (see for e.g. RNG, menu of fig. 9; HDG, A/C, TO, etc fig. 15).

Regarding claim 13, Briffe et al disclose the apparatus of claim 5 wherein said configurable route window (figs. 9, 15, 16, 22; col. 11, lines 1-37) includes a plurality of display format parameter control buttons (see for e.g. RNG, menu of fig. 9; HDG, A/C, TO, etc fig. 15); and wherein each of said plurality of display format parameter control buttons includes a plurality of selectable regions thereon (see the figures; col. 11, lines 20+) which are independently capable of being highlighted to indicate a selection status.

Regarding claim 14, Briffe et al disclose an avionics display comprising:

means (16, 18, 20, 22, fig. 2) for presenting a size configurable window (122, fig. 9) of route information relating (figs 5, 9, 10, etc) to a predetermined route of an aircraft;

means (16, 18, 20, 22, fig. 2) for graphically presenting a map (see map fig. 9) relating to information relating to said predetermined route of said aircraft; and

wherein said window (122, fig. 9) is simultaneously presented with said map (see map fig. 9)

Regarding claim 15, Briffe et al disclose the avionics display of claim 14 wherein said means (16, 18, 20, 22, fig. 2) for presenting a configurable window (122, fig. 9) includes a first means (cursor, col. 11, lines 12-30) for size adjustment of said configurable window (122, fig. 9).

Regarding claim 16, Briffe et al disclose the avionics display of claim 15 wherein said means (16, 18, 20, 22, fig. 2) for presenting a size configurable window (122, fig. 9) includes a second means (trackballs 44, switches etc 48, 50, 52; col. 11, lines 12-30) for size adjustment of said configurable window (122, fig. 9).

Regarding claim 17, Briffe et al disclose the avionics display of claim 14 wherein said means (16, 18, 20, 22, fig. 2) for presenting a size configurable window (122, fig. 9) includes a means (cursor, col. 11, lines 12-30) for altering a content characteristic of said configurable window (122, fig. 9).

Regarding claim 18, Briffe et al disclose a method of adjusting a display of FMS information to a pilot comprising the steps of:

providing a display (see fig. 9) of FMS information in a tabular textual format (see 122, fig. 9) in a section (122, fig. 9) of an avionics display (fig. 9);

positioning a cursor (cursor, col. 11, lines 12-30) over a predetermined position in said section (122, fig. 9) and providing a selection input signal (clicking the cursor) having a characteristic associated with said predetermined position (col. 11, lines 12-30); and

adjusting a size characteristic (clicking on INIT for example in fig. 9; col. 12, lines 30+) of said section (122, fig. 9) in response to said selection input signal.

Regarding claim 19, Briffe et al disclose the method of claim 18 wherein said step of adjusting a characteristic includes changing a size (encompasses entire screen, col. 12, line 31) characteristic of said section.

Regarding claim 20, Briffe et al disclose the method of claim 18 wherein said step of adjusting a characteristic includes changing (clicking on INIT for example in fig. 9) an information content characteristic of said section (122, fig. 9).

Response to Arguments

3. Applicant's arguments filed 2-26-01 have been fully considered but they are not persuasive.

The claims have been amended whereby the cancellation of claims 1, 7, 9-12, 19 and 20 have been acknowledged. The applicants also amended the claims arguing that Briffe et al do not disclose a map display which has a size configurable route window. In response, the examiner strongly disagrees. The basis of this argument makes no sense since the applicants have themselves admitted that Briffe col. 11, fig. 9 disclose a map display which has a size configurable route window. The applicants further went forth to admit that col. 11, fig. 9 of Briffe displays a map of different sizes such as 1/6, 1/3, 1/2, etc. Therefore, Briffe et al col. 11 clearly disclose a map display which has a size configurable route window. That is at the time the maps are displayed on the window of fig. 9, they are size configured into 1/6, 1/3, 1/2, etc of the total size of the window.

Still further, the applicants went forth to argue that Briffe does not disclose a map, nor a route related information. In response, Briffe fig. 9, clearly disclose a map and route information.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period

Art Unit: 3661

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

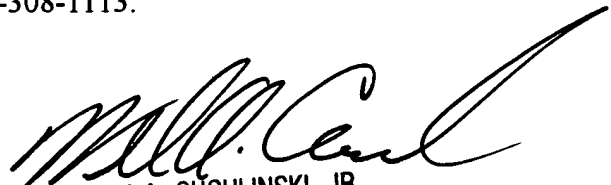
Communication

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Ronnie Mancho, Phone # 703 305-6318. If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, William Cuchlinski could be reached at 703-308-3873.

Any inquiry of a general nature or relating to the status of this application or proceeding should be forwarded to the Group receptionist at 703-308-1113.

Ronnie M. Mancho

Wednesday, April 25, 2001


WILLIAM A. CUCHLINSKI, JR.
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